

Gonzales Creek Dam and Lake Daniel

OWNER

City of Breckenridge.

ENGINEER (Design)

Freese and Nichols.

LOCATION

On Gonzales Creek in Stephens County, 7 miles south of Breckenridge.

DRAINAGE AREA

115 square miles.

DAM

Type	Earthfill
Length	2,655 ft
Maximum height	60 ft
Maximum top width	18 ft
Top elevation	1,295.5 ft above msl

SPILLWAY (emergency)

Location	Left end of dam
Type	Natural ground
Crest length	1,500 ft
Crest elevation	1,284.5 ft above msl

SPILLWAY (service)

Type	Drop inlet
Outlet	2 conduits, each 8 by 8 ft
Crest elevation	1,278.0 ft above msl
Gated outlets invert	1,272.0, 1,257.0, and 1,250.0 ft above msl

Water is released to Gonzales Creek and diverted from a downstream lake to the treating plant.

STATE AUTHORIZATION

Permit No. 1388 (Application No. 1488) June 10, 1946, to M. E. Daniel (transferred to the city October 5, 1948) allows storage of 11,400 acre-feet of water and annual use of 2,500 acre-feet.

RESERVOIR DATA (Based on U.S. Soil Conservation Service 1970 survey)

Capacity	9,515 acre-feet at elevation 1,278.0 ft above msl
Area	924 acres at elevation 1,278.0 ft above msl
Usable conservation storage space	(above low outlet) 9,515 acre-feet

GENERAL

Construction started	December 15, 1947
Dam completed	September 1, 1948
Lake first filled	June 1949
Contractor for the dam	Brazos Valley Construction Company
Cost of the dam	\$204,819
Cost of the project	\$363,000

